#### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

 (Currently Amended) A satellite communication system comprising: m primary satellites, each equipped to project N/m beams onto an area, to collectively create N beam spots to cover the area, wherein the m primary satellites continuously project the N/m beams at the m primary satellites full capacity, m being an integer greater than 1; and

n back up satellites, each equipped to project N/m beams onto the area, wherein the back up satellites continuously project the N/m beams at the n back up satellites full capacity, to enable each of the n back up satellites to be able to replace any one of the m primary satellites on demand, n being an integer equal to or greater than 1.

2. (Previously Presented) The satellite communication system of claim 1, wherein:

said m primary satellites are equipped to project N/m beams onto and across an area in a loosely-packed array manner, with sub-areas covered by a beam spot separated from other sub-areas covered by another beam spot by one beam width, and each equipped to facilitate communication on 1 of m band of frequencies; and

said n back up satellites are also equipped to project N/m beams onto and across the area in a loosely-packed array manner, with each sub-area covered by a beam spot separated from another sub-area covered by another beam spot by one beam width, and each equipped to facilitate communication on 1 of m band of frequencies.

(Original) The satellite communication system of claim 1, wherein m equals 3.

- (Original) The satellite communication system of claim 1, wherein n equals 1.
- (Original) The satellite communication system of claim 1, wherein the area comprises a plurality of zones, each having a peak demand at a different time period.
- (Original) The satellite communication system of claim 1, wherein the satellite communication system facilitates data access by user terminals.
  - 7. (Currently Amended) A satellite communication system comprising:

m primary satellites, each equipped to project N/m beams onto and across an area in a loosely-packed array manner to collectively create N beam spots to cover the area, wherein the primary satellites continuously project the N/m beams at the m primary satellites full capacity, with each sub-area covered by a beam spot separated from another sub-area covered by another beam spot by one beam width, m being an integer greater than 1; and

n back up satellites, each also equipped to project N/m beams onto and across the area in a loosely-packed array manner, wherein the back up satellites continuously project the N/m beams at the n back up satellites full capacity, with each sub-area covered by abeam spot separated from another sub-area covered by another beam spot by one beam width, to enable a selected one of the n back up satellites to replace any one of the m primary satellites on demand, n being an integer equal to or greater than 1.

(Original) The satellite communication system of claim 7, wherein m equals 3.

- 9. (Original) The satellite communication system of claim 7, wherein n equals 1.
- (Original) The satellite communication system of claim 7, wherein the area comprises a plurality of zones, each having a peak demand at a different time period.
- (Original) The satellite communication system of claim 7, wherein the satellite communication system facilitate Internet access by user terminals.
- (Currently Amended) A satellite communication system comprising:

m primary multi-beam satellites, wherein the primary multi-beam satellites continuously project the multi-beams at the primary satellites full capacity, each equipped to facilitate communication on 1 of m bands of frequencies, m being an integer greater than 1; and

n back up multi-beam satellites, wherein the back up multi-beam satellites continuously project the multi beams at the back up satellites full capacity, each equipped to facilitate communication on 1 of m bands of frequencies, n being an integer equal to or greater than 1.

- 13. (Original) The satellite communication system of claim 12, wherein m equals 3.
  - 14. (Original) The satellite communication system of claim 12, wherein n equals 1.

- 15. (Original) The satellite communication system of claim 12, wherein the satellite communication system facilitates access by user terminals to a communications network.
- (Original) The satellite communication system of claim 15, wherein the communications network comprises the Internet.
- (Original) The satellite communication system of claim 15, wherein the communications network comprises an enterprise Intranet.
- (Currently Amended) A satellite communication system comprising:
  mm primary satellites, each equipped to project N/m beams onto an area,
  wherein the primary satellites continuously project the N/m beams at the primary
  satellites full capacity, m being an integer greater than 1; and
- n back up satellites, each equipped to project N/m beams onto the area, wherein the back up satellites continuously project the N/m beams at the back up satellites full capacity, to enable a selected one of the n back up satellites to replace any one of the m primary satellites on demand, n being an integer equal to or greater than 1.
- 19. (Original) The satellite communication system of claim 18, wherein m equals 3.
- 20. (Original) The satellite communication system of claim 18, wherein n equal 1.
- (Original) The satellite communication system of claim 18, wherein the area comprises a plurality of zones, each having a peak demand at a different time period.
  - 22.-23. (Canceled)

## 24. (Currently Amended) A method comprising:

configuring each of m primary satellites to project N/m beams onto and across an area in a loosely-packed array manner to collectively create N beam spots to cover the area, wherein the primary satellites continuously project the N/m beams at the primary satellites full capacity, with each sub-area covered by a beam spot separated from another sub-area covered by another beam spot by one beam width, m being an integer greater than 1;

configuring each of the m primary satellites to facilitate communication on 1 of m band of frequencies;

configuring on demand a selected one of n back up satellites to project N/m beams onto and across the area in a loosely-packed array manner, wherein the back up satellites continuously project the N/m beams at the back up satellites full capacity, with each subarea covered by a beam spot separated from another sub-area covered by another beam spot by one beam width, to replace one of the m primary satellites with the selected one of the n back up satellites, n being equal to or greater than 1; and

configuring the selected one of the n back up satellites to facilitate communication over 1 of m band of frequencies on one beam, the 1 of m band of frequencies being the 1 of m band of frequencies previously employed by the replaced primary satellite, n being an integer equal to or greater than 1.

## 25. (Canceled)

# 26. (Currently Amended) A method comprising:

configuring each of m primary multi-beam satellites, wherein the primary satellites continuously project the multi-beams at the primary satellites full capacity, to facilitate communication on 1 of m band of frequencies, m being greater than 1; and

configuring a selected one of n back up multi-beam satellites, wherein the back up satellites continuously project the multi-beams at the back up satellites full capacity, to facilitate communication on 1 of m band of frequencies, the 1 of m band of frequencies, the 1 of m band of frequencies being the 1 of m band of frequencies

previously employed by the replaced primary multi-beam satellite, n being an integer equal to or greater than 1.

### 27. (Currently Amended) A method comprising:

configuring each of m primary satellites to project N/m beams onto and across an area wherein the primary satellites continuously project the N/m beams at the primary satellites full capacity; and

configuring on demand a selected one of n back up satellites to project N/m beams onto, and across the area coincidence with one of the m primary satellites, wherein the selected one of n back up satellites continuously project the N/m beams at the back up satellites full capacity, is configured to project its N/m beams onto and across an area, to replace the one primary satellite with the selected one of the n back up satellites, n being equal to or greater than 1.

28. (Currently Amended) A gateway for communicating signals through a satellite communication system comprising:

means for transferring signals through m primary satellites, each equipped to project N/m beams onto an area, wherein the primary satellites continuously project the N/m beams at the primary satellites full capacity, m being an integer greater than 1; and

means for transferring signals through n back up satellites, each equipped to project N/m beams onto the area, wherein the back up satellites continuously project the N/m beams at the back up satellites full capacity, to enable a selected one of the n back up satellites to replace any one of the m primary satellites on demand, n being an integer equal to or greater than 1.

 (Currently Amended) A user terminal for communicating signals through a satellite communication system to at least one gateway comprising: means for transferring signals through m primary satellites, each equipped to project N/m beams onto an area, wherein the primary satellites continuously project the N/m beams at the primary satellites full capacity, m being an integer greater than 1; and

means for transferring signals through n back up satellites, each equipped to project N/m beams onto the area, wherein the back up satellites continuously project the N/m beams at the back up satellites full capacity, to enable a selected one of the n back up satellites to replace any one of the m primary satellites on demand, n being an integer equal to or greater than 1.

 (Currently Amended) Apparatus for use in a satellite communication system comprising:

means for configuring m primary multi-beam satellites to project N/m beams onto an area to collectively create N beam spots to cover the area, wherein the primary satellites continuously project the N/m beams at the primary satellites full capacity, with m being an integer greater than 1 and

means for configuring a selected one of n back up multi-beam satellites to project N/m beams onto the area, wherein the back up satellites continuously project the N/m beams at the back up satellites full capacity, to replace one primary satellite with the selected one of the n back up satellites, n being equal to or greater than 1.